

Title (en)  
 DEVICE CONTROLLING COUPLINGS/UNCOUPLINGS OF A PRIME MOVER OF A VEHICLE DURING A CHANGE IN TRANSMISSION RATIO

Title (de)  
 VORRICHTUNG ZUR STEUERUNG VON KOPPLUNGEN/ENTKOPPLUNGEN EINER ANTRIEBSMASCHINE EINES FAHRZEUGS WÄHREND EINER ÄNDERUNG DES ÜBERSETZUNGSVERHÄLTNISSSES

Title (fr)  
 DISPOSITIF DE CONTRÔLE DES COUPLAGES/DÉCOUPLAGES D'UNE MACHINE MOTRICE D'UN VÉHICULE LORS D'UN CHANGEMENT DE RAPPORT

Publication  
**EP 3589510 A1 20200108 (FR)**

Application  
**EP 18706788 A 20180202**

Priority  
 • FR 1751695 A 20170302  
 • FR 2018050259 W 20180202

Abstract (en)  
 [origin: WO2018158516A1] A device (DC) controls the coupling/uncoupling of a first prime mover (MM1), via first coupling means (MC1) to a first wheelset (T1) of a vehicle (V) also comprising a second wheelset (T2), and a second prime mover (MM2) able to be coupled to said second wheelset (T2) via transmission ratio-change means (BV) and which intervenes during changes in the transmission ratio of these means (BV). This device (DC) comprises control means (MCT) designed, in the event of a decision to change the transmission ratio, to at least temporarily prevent a change in the state of coupling of the first coupling means (MC1) during this change in transmission ratio when at least one predefined condition relating to a type selected from a type of change of coupling state and a type of change of chosen transmission ratio, is met.

IPC 8 full level  
**B60K 6/448** (2007.10); **B60K 6/387** (2007.10); **B60K 6/52** (2007.10); **B60K 17/356** (2006.01); **B60W 10/02** (2006.01); **B60W 10/11** (2012.01); **B60W 20/20** (2016.01); **B60W 20/40** (2016.01)

CPC (source: EP)  
**B60K 6/387** (2013.01); **B60K 6/448** (2013.01); **B60K 6/52** (2013.01); **B60K 17/344** (2013.01); **B60K 17/348** (2013.01); **B60K 17/356** (2013.01); **B60K 23/08** (2013.01); **B60K 23/0808** (2013.01); **B60W 10/02** (2013.01); **B60W 10/11** (2013.01); **B60W 20/40** (2013.01); **B60W 2510/1005** (2013.01); **B60W 2710/021** (2013.01); **Y02T 10/62** (2013.01)

Citation (search report)  
 See references of WO 2018158516A1

Designated contracting state (EPC)  
 AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
 BA ME

DOCDB simple family (publication)  
**WO 2018158516 A1 20180907**; CN 110382273 A 20191025; CN 110382273 B 20220617; EP 3589510 A1 20200108; EP 3589510 B1 20210120; FR 3063471 A1 20180907; FR 3063471 B1 20190322; MA 47813 A 20200108; MA 50880 A 20200108

DOCDB simple family (application)  
**FR 2018050259 W 20180202**; CN 201880015490 A 20180202; EP 18706788 A 20180202; FR 1751695 A 20170302; MA 47813 A 20180202; MA 50880 A 20180202